

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A data transmission method comprising ~~the steps of:~~  
broadcasting first transmitting transmission data containing television content data and  
auxiliary data provided for signal processing at ~~the~~ a viewer end[[,]];  
receiving said ~~transmitted transmission~~ first data at said viewer end[[,]];  
performing an operation and outputting an operation signal based on said operation;  
performing a first signal processing on said television content data according to software  
stored in a removable recording medium and said operation signal to output first output content  
data;  
performing a second signal processing using said first output content data of the result of  
~~a desired first signal processing performed based on data recorded in advance and said television~~  
content data contained in said ~~received transmission data~~ based on said auxiliary data contained  
in said ~~received transmission data to create~~ to generate second new output content data[[,]]; and  
outputting the second output content data.
2. (Currently Amended) A data transmission method as set forth in claim 1, wherein  
said ~~transmission~~ first data contains said television content data and command data for  
controlling said second signal processing at the viewer end; and  
said second signal processing is performed using first output content data of the result of  
~~said first signal processing and said television content data contained in said received~~  
~~transmission data based on~~ said command data contained in said ~~received transmission data to~~

~~create to generate third new~~ output content data at said viewer end.

3. (Currently Amended) A data transmission method as set forth in claim 2, wherein  
said ~~transmission-first~~ data further contains any data provided for ~~creation-generation~~ of  
said third output content data at the viewer end; and  
said second signal processing is performed using the first output content data ~~of the result~~  
~~of said first signal processing~~ and said any data contained in said ~~received transmission-first~~ data  
based on a command contained in said ~~received transmission-first~~ data to ~~create new~~ generate  
fourth output content data.

4. (Currently Amended) A data transmission method as set forth in claim 1, wherein said  
viewer end combines said first output content data ~~of the result of said first signal processing~~ and  
said television content data ~~contained in said received transmission data to create new~~ to generate  
fifth output content data.

5. (Currently Amended) A data transmission method as set forth in claim-4 1, wherein  
the first output content data ~~of the result of said first signal processing~~ at the viewer end  
contains data of any game character; and  
said viewer end replaces video data of a predetermined object contained in said ~~received~~  
~~transmission-first~~ data with data of the game character of ~~the result of said first signal processing~~  
said first output content data to ~~create new~~ generate sixth output content data.

6. (Currently Amended) A data transmission method as set forth in claim 1, wherein

said ~~transmission-first~~ data contains advertisement data as one or both of said television content data and auxiliary data; and

said viewer end combines said first output content data ~~of the result of said first signal processing and said advertisement data contained in said received transmission data to create to~~ generate and output seventh output content data.

7. (Currently Amended) A data transmission method as set forth in claim 6, wherein  
said ~~transmission-first~~ data contains a plurality of said advertisement data; and  
said viewer end selectively combines one or more of any of said plurality of advertisement data with said seventh output content data ~~of the result of said first signal processing.~~

8. (Currently Amended) A data transmission method as set forth in claim 1, further comprising ~~the steps of:~~  
transmitting second data from said viewer end to a transmitting end; and  
generating ~~creating~~ second television content data for transmission based on said second ~~transmitted~~ data at the transmitting end.

9. (Currently Amended) A data transmission method as set forth in claim 1, wherein  
said ~~transmission-first~~ data contains command data for controlling said first signal processing at the viewer end,  
said first signal processing is controlled at said viewer end based on commands contained in said ~~received transmission-first~~ data, and

said second output content data is ~~created~~generated based on content data of ~~the~~a result of said controlled first signal processing.

10. (Currently Amended) A data transmission system having a transmitter for broadcasting ~~transmitting transmission~~first data and a plurality of viewer apparatuses for receiving the ~~transmitted~~first data, wherein

said transmitter ~~transmits transmission~~broadcasts said first data containing television content data and auxiliary data provided for the processing in said viewer apparatuses, and

each viewer apparatus of said viewer apparatuses ~~comprises~~ comprising:

a receiving means for receiving said ~~transmitted transmission~~first data[[,]];

an operating means for ~~the~~a viewer to perform an operation and ~~outputting to~~output an operation signal based on the ~~related~~ operation[[,]];

a first signal processing means for performing a desired signal processing on said television content data according to software stored in ~~advance~~a removable recording medium and said operation signal ~~to output content data including video data,~~ said first signal processing means outputting first output content data;

a second signal processing means for performing a predetermined processing on ~~the~~said first output content data ~~output from said first signal processing means and~~ said television content data ~~contained in said received transmission data using said auxiliary data contained in said received transmission data so as to create~~ to generate second output content data[[,]]; and

an outputting means for outputting said ~~created~~second output content data.

11. (Currently Amended) A data transmission system as set forth in claim 10, wherein

said ~~transmission-first~~ data contains said television content data and command data for controlling said second signal processing means of said viewer apparatus; and

said second signal processing means of said viewer apparatus performs signal processing based on said command data on said first output content data ~~of the result of said first signal processing and said television content data contained in said received transmission data to create~~ to generate said second output content data.

12. (Currently Amended) A data transmission system as set forth in claim 10, wherein said each viewer apparatus further ~~has~~ includes:  
a transmitting means for transmitting desired data to said transmitter; and  
said transmitter prepares said television content data for ~~transmission~~ broadcast based on said ~~transmitted~~ desired data.

13. (Currently Amended) A data transmission system as set forth in claim 10, wherein the first output content data ~~output from the first signal processing means of said viewer apparatus is~~ includes data of any game character; and  
the second signal processing means of said each viewer apparatus replaces video data of a predetermined object contained in said ~~received transmission~~ first data with data of said game character output from said first signal processing means to ~~create new~~ generate third output content data.

14. (Currently Amended) A data transmission system as set forth in claim 10, wherein said ~~transmission~~ first data contains advertisement data as one or both of said television

content data and auxiliary data; and

said second signal processing means of said viewer apparatus combines first output content data ~~output from said first signal processing means and advertisement data contained in~~ said ~~received transmission data to create~~ to generate and output fourth output content data.

15. (Currently Amended) A data transmission system as set forth in claim 14, wherein  
said ~~transmission~~ first data contains a plurality of advertisement data; and  
said second signal processing means of said viewer apparatus selectively combines one or more of any of the plurality of advertisement data with fourth output content data ~~output from~~ said ~~first signal processing means~~.

16. (Currently Amended) A data transmission system having a transmitter for  
broadcasting first ~~transmitting transmission~~ data and a plurality of viewer apparatuses for receiving the ~~transmitted~~ first data, wherein  
said transmitter ~~transmits transmission~~ broadcasts said first data containing television content data including video data and command data for controlling ~~the receiver end~~ viewer apparatuses at a receiver end, and

each viewer apparatus of said viewer apparatuses ~~comprises~~ comprising:  
a receiving means for receiving said ~~transmitted transmission~~ first data[.];  
a signal processing means for performing desired signal processing on said television content data according to software stored in ~~advance~~ a removable recording medium and operations of ~~the~~ a viewer and outputting processed television content data including video data,  
a signal combining means for combining the video data of said television content data

~~contained in said received transmission data~~ with a predetermined region of the video data of the ~~processed television content data output from said signal processing means to create to generate~~ said output content data containing new video data, and

an outputting means for outputting said ~~created~~ output content data.

17. (Currently Amended) A data transmission system as set forth in claim 16, wherein said television content data contained in said ~~transmission~~ first data is data relating to an advertisement; and

said signal combining means of said viewer apparatus combines video data relating to said advertisement ~~contained in said received transmission data~~ with a predetermined region of video data of said processed television content data ~~output from said first signal processing means to create to generate~~ said output content data containing new video data.

18. (Currently Amended) A data transmission system as set forth in claim 17, wherein said ~~transmission~~ first data contains a plurality of advertisement data; and  
said signal combining means of said each viewer apparatus selectively combines one or more of any of said plurality of advertisement data with said output content data ~~output from said first signal processing means~~.

19. (Currently Amended) An information processing method comprising: ~~the steps of~~ having the  
generating, at a transmitting end, create television content data, and broadcasting first  
~~transmit transmission data~~ containing the television content data and auxiliary data provided for

~~the signal processing on the~~ at a viewer end[[,]];

having a

receiving, at the viewer end, ~~receive said transmitted transmission first data,~~ performing a desired first signal processing performed on said television content data based on data stored in advance a removable recording medium at the viewer end to produce first output content data, processing said first output ~~the content data obtained as the result of said first signal processing~~ and said television content data ~~contained in said received transmission data by second signal processing using said auxiliary data contained in said received transmission data to create new~~ to generate second output content data, outputting the second output content data, and transmitting data of at least one of ~~the result of said first signal processing and the result of said second signal processing~~ said first output content data and said second output content data from said viewer end to the transmitting end[[,]]; and

having

performing, at said transmitting end, ~~perform~~ a desired information processing based on said ~~transmitted first data to create~~ generate updated television content data for transmission ~~based on said information processing result~~ broadcast.

20. (Currently Amended) An information processing system having a transmitter for broadcasting first ~~transmitting transmission~~ data and a plurality of viewer apparatuses for receiving the ~~transmitted first~~ data, wherein said transmitter ~~has~~ including:

a content data creating means for ~~creating the~~ generating television content data,  
a first transmitting means for ~~transmitting transmission~~ broadcasting said first data



containing said ~~created~~ television content data and auxiliary data provided for signal processing on the ~~a~~ viewer end, and

an information processing means for performing a desired information processing based on the second data transmitted from said viewer apparatuses, said information processing means outputting a processing result,

wherein said content data creating means ~~creates~~ generates said television content data to be ~~transmitted~~ broadcasted based on said ~~information~~ processing result, said ~~each~~ viewer apparatus of said plurality of viewer apparatuses ~~has~~ including:

a receiving means for receiving said ~~transmitted~~ transmission first data,

a first signal processing means for performing a desired first signal processing on said television content data based on data stored in ~~advance~~ a removable recording medium, said first signal processing means outputting first output content data,

a second signal processing means for processing the first output content data ~~obtained as the result of said first signal processing and said television content data contained in said received transmission data by second signal processing using said auxiliary data contained in said received transmission data to create new~~ second output content data,

an outputting means for outputting said ~~created~~ second output content data, and

a second transmitting means for transmitting at least one of ~~the result of said first signal processing said first output content data and the result of said second signal processing to said transmitter~~ said second output content data.

21. (Canceled)

22. (Currently Amended) A data transmitter including:

a data generating means for generating first data containing television content data and auxiliary data provided for a predetermined signal processing in a viewer apparatus; and

a broadcasting means for broadcasting the first data to a plurality of viewer apparatuses,

~~A data transmitter as set forth in claim 21, wherein,~~

when the viewer apparatus is a predetermined apparatus which performs a desired first signal processing on said television content data in accordance with software stored in advance a removable recording medium and outputs first output content data, said viewer apparatus:

performs a predetermined second signal processing on first output content data ~~obtained from said first signal processing and television content data contained in said transmitted transmission data to produce second output content data, and~~

outputs second output contents data ~~obtained as a result of said signal processing,~~

wherein said transmission data creating-generating means creates-generates said transmission-first data containing command data for controlling one or both of the first signal processing and second signal processing in-using said auxiliary data.

23. (Currently Amended) A data transmitter as set forth in claim 21, further ~~provided with~~ comprising:

a receiving means for receiving second data transmitted from said plurality of viewer apparatuses; and

a computer means for collecting ~~received-said~~ second data transmitted from a said plurality of said-viewer apparatuses and performing a desired computation to generate a result,  
and

wherein said ~~transmission data creating~~ data generating means ~~creates~~ generates said ~~transmission~~ first data based on said ~~received~~ second data or the ~~said~~ result of said desired computation.

24. (Currently Amended) A data transmitter as set forth in claim 21, wherein  
said ~~transmission use creating~~ data generating means ~~creates~~ generates said ~~transmission~~ first data containing program data containing video data and information for replacing a predetermined object in said video data with another object.

25. (Currently Amended) A data transmitter as set forth in claim 21, wherein said ~~transmission data creating~~ data generating means has one or more advertisement data of a form for viewing combined with any video data as one or both of said television content data and auxiliary data.

26. (Currently Amended) A signal processor for receiving ~~transmitted transmission~~ first data containing television content data and predetermined auxiliary data, comprising:

a receiving means for receiving said ~~transmitted transmission~~ first data[[,]];

a first signal processing means for performing a desired signal processing on said television content data according to software stored in a removable recording medium ~~advance~~ and operations of a viewer and outputting first output content data containing video data[[,]];

a second signal processing means for processing ~~the said first output~~ content data ~~output~~ from said first signal processing means and said television content data ~~contained in said received transmission data~~ by predetermined processing using said auxiliary data ~~contained in~~

~~said received transmission data to create to generate second~~ output content data[[],]; and

an outputting means for outputting said ~~created~~ second output content data.

27. (Currently Amended) A signal processor as set forth in claim 26, wherein  
one or both of said first signal processing means and said second signal processing means  
controls processing based on command data contained in said auxiliary data of said ~~transmission~~  
first data.

28. (Currently Amended) A signal processor as set forth in claim 26, wherein  
said second signal processing means combines video data of said first output content data  
~~output from said first signal processing means~~ with a predetermined region of video data of said  
television content data ~~contained in said received transmission data to create to generate third~~  
output content data containing new video data.

29. (Currently Amended) A signal processor as set forth in claim 28, wherein  
the first output content data ~~output from said first signal processing means is~~ includes  
data of any game character; and  
said second signal processing means replaces video data of a predetermined object  
contained in said ~~received transmission~~ first data with the said third output content data ~~of said~~  
~~game character output from said first signal processing means to create new to generate fourth~~  
output content data.

30. (Currently Amended) A signal processor as set forth in claim 26, wherein

said second signal processing means combines video data of said television content data contained in said ~~received transmission data~~ with a predetermined region of video data of said first output content data ~~output from said first signal processing means to generate fifth output~~ content data.

31. (Currently Amended) A signal processor as set forth in claim 30, wherein  
said second signal processing means combines said fifth output content data ~~output from~~  
~~said first signal processing means~~ and advertisement data contained in said ~~received transmission~~  
first data to ~~create~~ generate sixth output content data.

32. (Currently Amended) A signal processor as set forth in claim 31, wherein  
said second signal processing means combines selectively one or more of any of a  
plurality of advertisement data contained in said ~~received transmission~~ first data with said sixth  
content data ~~output from said first signal processing means~~.

33. (Currently Amended) A signal processor as set forth in claim 26, further ~~provided~~  
~~with~~ comprising:

a transmitting means for transmitting desired data to a source of transmission of said  
~~transmission~~ first data.

34-39. (Canceled)